Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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PATENT APPLICATION

Attorney Docket No. First Inventor Shir			4041K-000143	, H	
			n NISHIYA et al		
Title			ecovering Useful Components From Electrolytic nemical Treatment Bath	S. D.	

	TRAN	ISMITTAL		Title			vering Useful Comp ical Treatment Bath	oonents From Electrolytic	⇒
(Only for n	new nonprovisiona	applications under 3	7 C.F.R. 1.53(b))	Expres	s Mail Label	No.	EL 623 486 794 U	JS	300
See MPEP o		ICATION ELEN		A	DDRES	s TC	Commission P.O. Box 14	atent Application ler for Patents 50 VA 22313-1450	0
2.	Submit an original an Applicant claims See 37 CFR 1.2 Specification preferred arranger Descriptive title of Cross References Statement Regare Reference to sequence Reference to sequence Constant Regare Reference to sequence Can sequence Reference to sequence Can seque	[Tota ment set forth below)	Pages 31 j Specifications filed in Engl	n	Comp S. Nucleotide (if applica a.	puter F e and/ ble, al nputer ation s D-ROM per ement	r CD-R in duplica Program (Append for Amino Acid Sill necessary) Readable Form Sequence Listing If or CD-R (2 cop	ate, large table or dix) equence Submission (CRF)	
-	Background of the Brief Summary of	e Invention the Invention of the Drawings (if file on		10). Ass). 37 (wh	signme C.F.R	ent Papers (cove .§3.73(b) Statem ere is an assigne	r sheet & document(s)) ent Power of	
5. Oath or a. ⊠ b. ☐	Copy from a property of the continuation of th	[Total discount of the content of th	CFR 1.63 (d)) Box 18 completed (b) Inventor(s)) 13 14 7 15	Sta	atemer elimina turn Re hould I rtified foreign quest (2)(B)((i). Applicant mu iivalent.	MPEP 503) mized) Document(s)	2
or in an App Cont Prior ap For CONTIN under Box	plication Data Sh tinuation [plication information NUATION or DIVIS 5b, is considered	eet under 37 CFR 1. ☐ Divisional on: Examiner SIONAL APPS onty:	76: Continuation-in-p The entire disclosusure of the accompa	oart (CIP re of the anying o inadve) e prior applic or divisional rtently omitte	of p Gro cation, applic ed fron	orior application No oup / Art Unit: from which an oa ation and is hereb	_ th or declaration is suppli y incorporated by referen	
⊠ Custor	mer Number or Ba		sert Customer No. o	27572		el here)		rrespondence address belo	w
Name	Harness, Dick	key & Pierce, P.L.C							
Address	P.O. Box 828								
City	Bloomfield Hi	lls	State	МІ			Zip Code	48303	
Country	United States of America , Telephone			248-641-1600 Fax 248-641-0270					
Name (Pi	rint/Type)	H. Keith Miller, E.	sq.	Reg	istration No	. (Atto	rney/Agent)	22,484	
Signature	9						Date	July 21, 2003	

PTO/SB/17 (01-03)

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FEE TO A NOMITTAL	Complete if Known						
FEE TRANSMITTAL	Application Number			unassigned yet			
for FY 2003	Filing Date			July 21, 2003			
	First Named Inventor			Shin			
Patent fees are subject to annual revision.	Examiner Name						
☐ Applicant claims small entity status. See 37 CFR 1.27	Group / Art Unit						
TOTAL AMOUNT OF PAYMENT (\$) 790	Attorney Docket No. 4041K-000143						
METHOD OF PAYMENT (check all that apply)				FEE C	ALCULATION (continued)		
□ Check □ Credit card □ Money □ Other □ None	3. ADI	DITIONAL	L FEES				
Order Deposit Account:	Large	Entity	Small E	ntity			
	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	
Deposit Account 08-0750	1051	130	2051	65	Surcharge - late filing fee or oath		
Number	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		
Deposit	1053	130	1053	130	Non-English specification		
Account Harness, Dickey & Pierce, P.L.C.	1812	2,520	1812	2,520	For filing a request for reexamination		
Name The Commissioner is authorized to: (check all that apply)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		
☐ Charge fee(s) indicated below ☐ Credit any overpayments ☐ Charge any additional fee(s) during the pendency of this application	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1251	110	2251	55	Extension for reply within first month		
FEE CALCULATION	1252	410	2252	205	Extension for reply within second month		
1. BASIC FILING FEE	1253	930	2253	465	Extension for reply within third month		
Large Entity Small Entity Fee Fee Fee Fee Description	1254	1,450	2254	725	Extension for reply within fourth month		
Fee Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	1255	1,970	2255	985	Extension for reply within fifth month		
1001 750 2001 375 Utility filing fee 750	1401	320	2401	160	Notice of Appeal		
1002 330 2002 165 Design filing fee	1402	320	2402	160	Filing a brief in support of an appeal		
1003 520 2003 260 Plant filing fee	1403	280	2403	140	Request for oral hearing	<u> </u>	
1004 750 2004 375 Reissue filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding		
1005 160 2005 80 Provisional filling fee	1452	110	2452	55	Petition to revive - unavoidable		
SUBTOTAL (1) (\$) 750	1453	1,300	2453	650	Petition to revive – unintentional		
	1501	1,300	2501	650	Utility issue fee (or reissue)		
2. EXTRA CLAIM FEES Extra Fee from Fee	1502	470	2502	235	Design issue fee		
Extra Fee from Fee Claims below Paid	1503	630	2503	315	Plant issue fee		
Total Claims 18 -20 ** = 0 X = 0	1460	130	1460	130	Petitions to the Commissioner		
Independent Claims 1 -3 ** = 0 X = 0	1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)		
Multiple	1806	180	1806	180	Submission of Information Disclosure Stmt		
Dependent X = 0	8021	40	8021	40	Recording each patent assignment per property (times number of	40	
Large Entity Small Entity					properties)		
Fee Fee Fee Fee Fee Code (\$) Fee Description	1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))		
1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3	1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))		
1203 280 2203 140 Multiple dependent claim, if not paid	1801	750	2801	375	Request for Continued Examination (RCE)		
1204 84 2204 42 ** Reissue independent claims over original patent	1802	900	1802	900	Request for expedited examination		
1205 18 2205 9 ** Reissue claims in excess of 20 and	1				of a design application		
over original patent	Other f	ee (speci	fy)				
SUBTOTAL (2) (\$) 0]						
	*Redu	ced by Ba	asic Filing	Fee Pa	aid SUBTOTAL (3) (\$) 40		
**or number previously paid, if greater; For Reissues, see above	<u> </u>						
<i>f.</i>							

SUBMITTED BY		Complete (if applicable)				
Name (Print/Type)	H. Keith Miller, H. Regissifion No. Attorney/Agent)	22,484	Telephone	248-641-160		
Signature	& Interest of the second		Date	July 21, 2003		